FIG. 1
(Related Art)

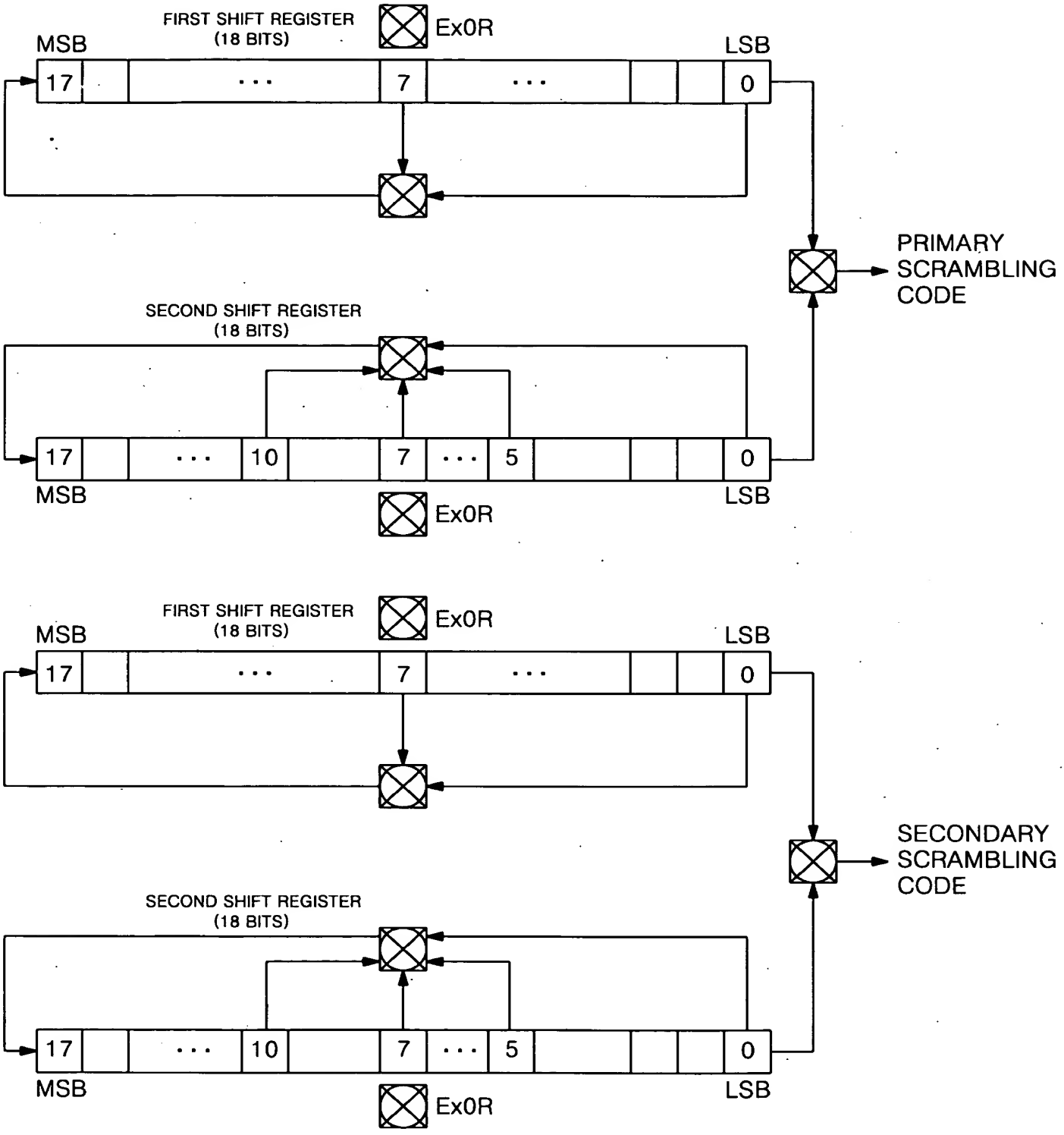

FIG. 2

(Related Art)

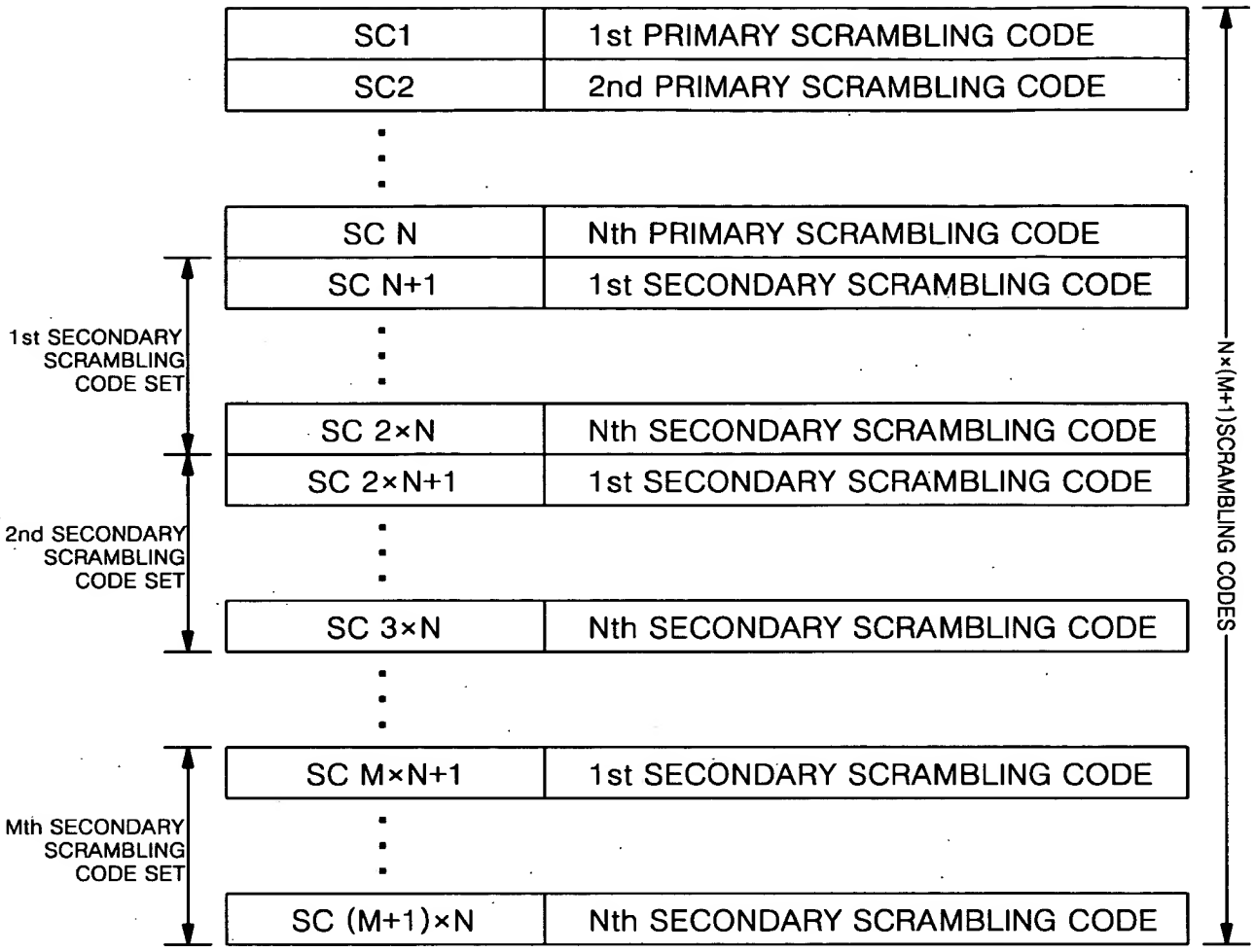

FIG. 3
(Related Art)

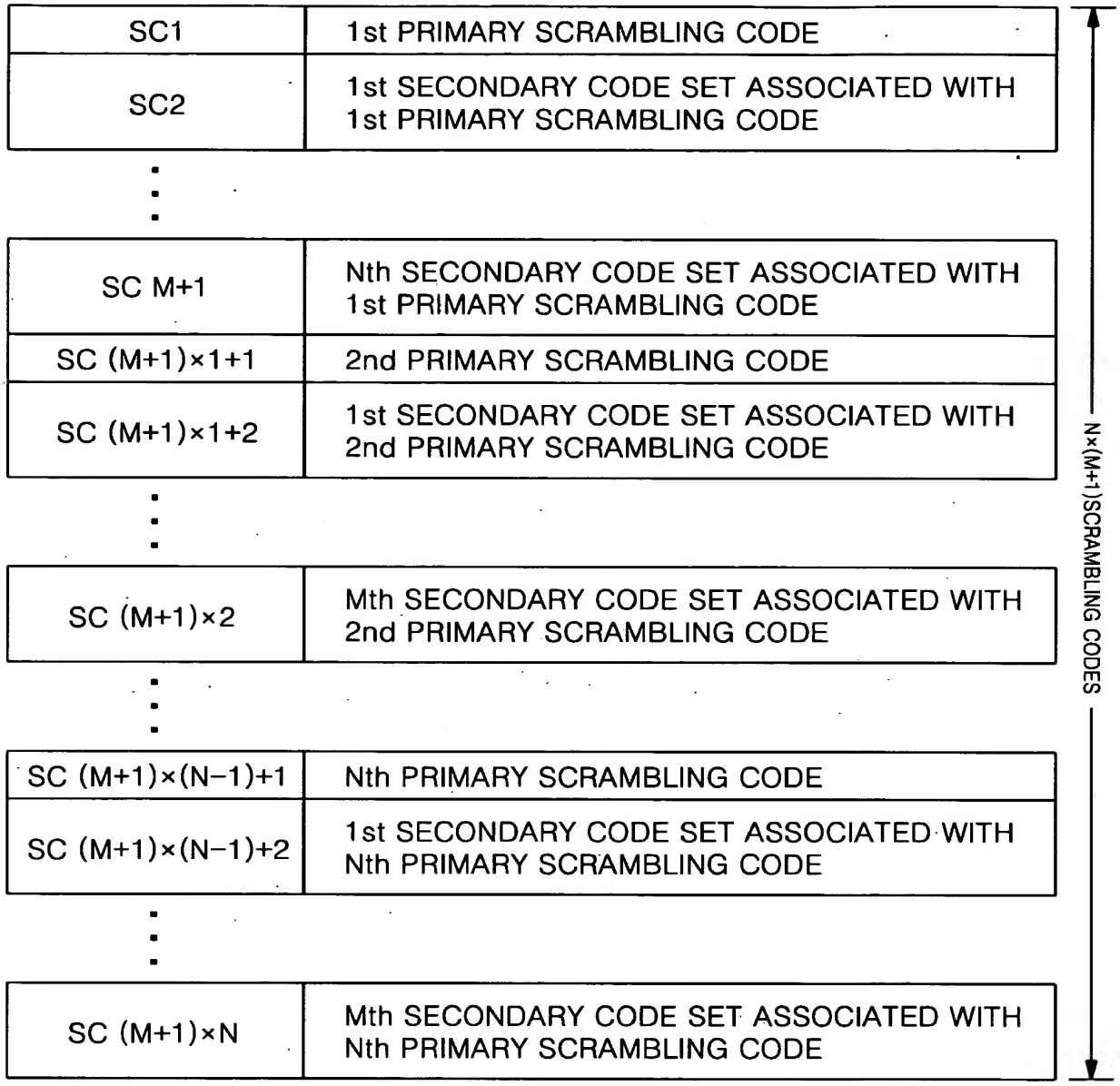

FIG. 4

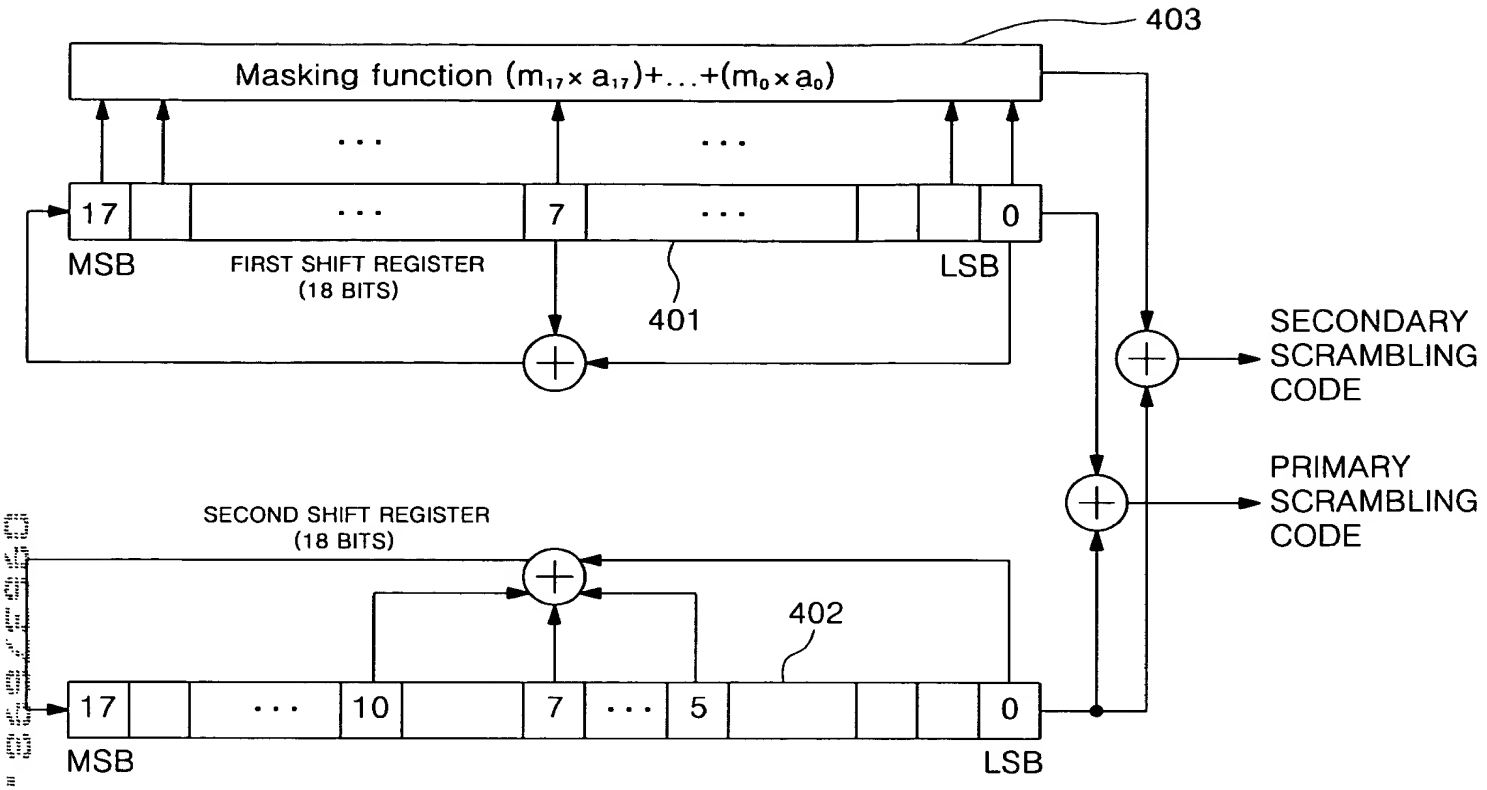

FIG. 5

PRIMARY SCRAMBLING CODE SET	1st SECONDARY SCRAMBLING CODE SET	Mth SECONDARY SCRAMBLING CODE SET
1st PRIMARY CODE	1st SECONDARY CODE SET ASSOCIATED WITH 1st PRIMARY SCRAMBLING CODE	Mth SECONDARY CODE SET ASSOCIATED WITH 1st PRIMARY SCRAMBLING CODE
2nd PRIMARY CODE	1st SECONDARY CODE SET ASSOCIATED WITH 2nd PRIMARY SCRAMBLING CODE	Mth SECONDARY CODE SET ASSOCIATED WITH 2nd PRIMARY SCRAMBLING CODE
3rd PRIMARY CODE	1st SECONDARY CODE SET ASSOCIATED WITH 3rd PRIMARY SCRAMBLING CODE	Mth SECONDARY CODE SET ASSOCIATED WITH 3rd PRIMARY SCRAMBLING CODE
Nth PRIMARY CODE	1st SECONDARY CODE SET ASSOCIATED WITH Nth PRIMARY SCRAMBLING CODE	Mth SECONDARY CODE SET ASSOCIATED WITH Nth PRIMARY SCRAMBLING CODE

FIG. 6

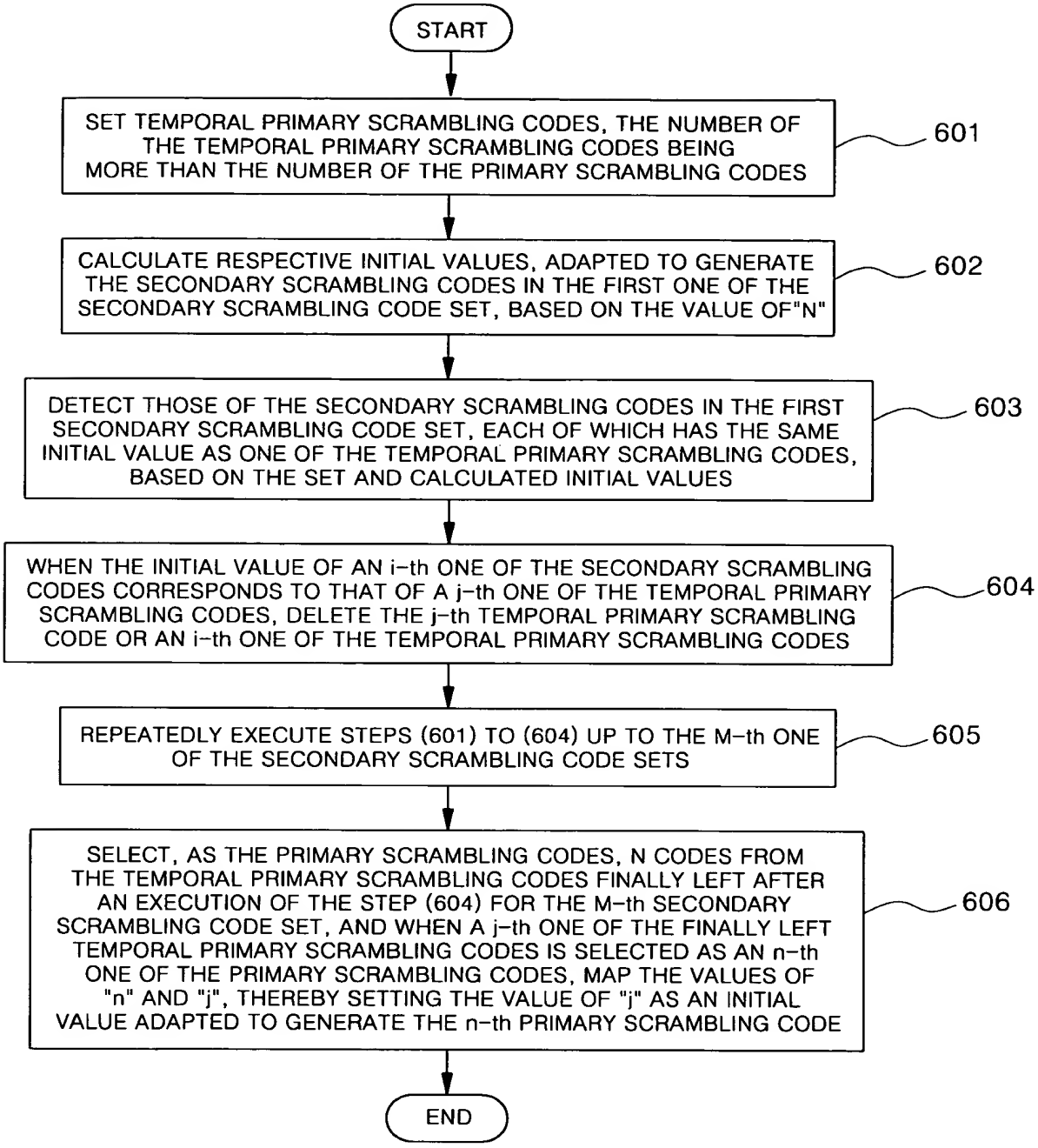
START
SET TEMPORAL PRIMARY SCRAMBLING CODES, THE NUMBER OF THE TEMPORAL PRIMARY SCRAMBLING CODES BEING MORE THAN THE NUMBER OF THE PRIMARY SCRAMBLING CODES
601
CALCULATE RESPECTIVE INITIAL VALUES, ADAPTED TO GENERATE THE SECONDARY SCRAMBLING CODES IN THE FIRST ONE OF THE SECONDARY SCRAMBLING CODE SET, BASED ON THE VALUE OF"N"
602
DETECT THOSE OF THE SECONDARY SCRAMBLING CODES IN THE FIRST SECONDARY SCRAMBLING CODE SET, EACH OF WHICH HAS THE SAME INITIAL VALUE AS ONE OF THE TEMPORAL PRIMARY SCRAMBLING CODES, BASED ON THE SET AND CALCULATED INITIAL VALUES
603
WHEN THE INITIAL VALUE OF AN i-th ONE OF THE SECONDARY SCRAMBLING CODES CORRESPONDS TO THAT OF A j-th ONE OF THE TEMPORAL PRIMARY SCRAMBLING CODES, DELETE THE j-th TEMPORAL PRIMARY SCRAMBLING CODE OR AN i-th ONE OF THE TEMPORAL PRIMARY SCRAMBLING CODES
604
REPEATEDLY EXECUTE STEPS (601) TO (604) UP TO THE M-th ONE OF THE SECONDARY SCRAMBLING CODE SETS
605
SELECT, AS THE PRIMARY SCRAMBLING CODES, N CODES FROM THE TEMPORAL PRIMARY SCRAMBLING CODES FINALLY LEFT AFTER AN EXECUTION OF THE STEP (604) FOR THE M-th SECONDARY SCRAMBLING CODE SET, AND WHEN A j-th ONE OF THE FINALLY LEFT TEMPORAL PRIMARY SCRAMBLING CODES IS SELECTED AS AN n-th ONE OF THE PRIMARY SCRAMBLING CODES, MAP THE VALUES OF "n" AND "j", THEREBY SETTING THE VALUE OF "j" AS AN INITIAL VALUE ADAPTED TO GENERATE THE n-th PRIMARY SCRAMBLING CODE
606
END

FIG. 7

<TABLE 1>

	x_{17}	x_{16}	x_{15}	x_{14}	x_{13}	x_{12}	x_{11}	x_{10}	x_9	x_8	x_7	x_6	x_5	x_4	x_3	x_2	x_1	x_0
P	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0
S_1	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1
S_2	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2
S_3	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1	n_5	n_4	n_3
S_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1	n_5	n_4
S_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1	n_5
S_6	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6	1
S_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7	n_6
S_8	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8	n_7
S_9	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1	n_8
S_{10}	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0	1
S_{11}	1	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0	0
S_{12}	$n_0 \oplus n_6$	1	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0	0
S_{13}	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0	0
S_{14}	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0	0
S_{15}	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0	0
S_{16}	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_8	n_6	n_7	1	n_5	n_4	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	0	0

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FIG. 8

<TABLE 2>

	x_{17}	x_{16}	x_{15}	x_{14}	x_{13}	x_{12}	x_{11}	x_{10}	x_9	x_8	x_7	x_6	x_5	x_4	x_3	x_2	x_1	x_0
P	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0	0	0	0	0	0	0
S_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0	0	0	0	0	0
S_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0	0	0	0	0
S_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0	0	0	0
S_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0	0	0
S_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0	0
S_6	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0	0
S_7	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1	n_0
S_8	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2	n_1
S_9	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3	n_2
S_{10}	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4	n_3
S_{11}	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5	n_4
S_{12}	$n_4 \oplus n_0$	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1	n_5
S_{13}	$n_5 \oplus n_1$	$n_4 \oplus n_0$	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6	1
S_{14}	$1 \oplus n_2$	$n_5 \oplus n_1$	$n_4 \oplus n_0$	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7	n_6
S_{15}	$n_6 \oplus n_3$	$1 \oplus n_2$	$n_5 \oplus n_1$	$n_4 \oplus n_0$	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8	n_7
S_{16}	$n_7 \oplus n_4$	$n_6 \oplus n_3$	$1 \oplus n_2$	$n_5 \oplus n_1$	$n_4 \oplus n_0$	$n_3 \oplus 1$	$n_2 \oplus n_8$	$n_1 \oplus n_7$	$n_0 \oplus n_6$	1	n_5	n_4	n_3	n_2	n_1	n_0	1	n_8

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